

FIG. I PRIOR ART

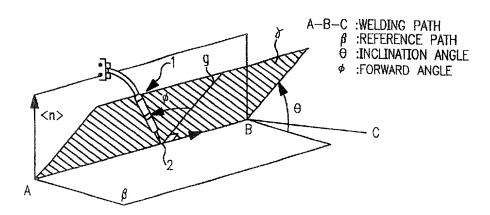
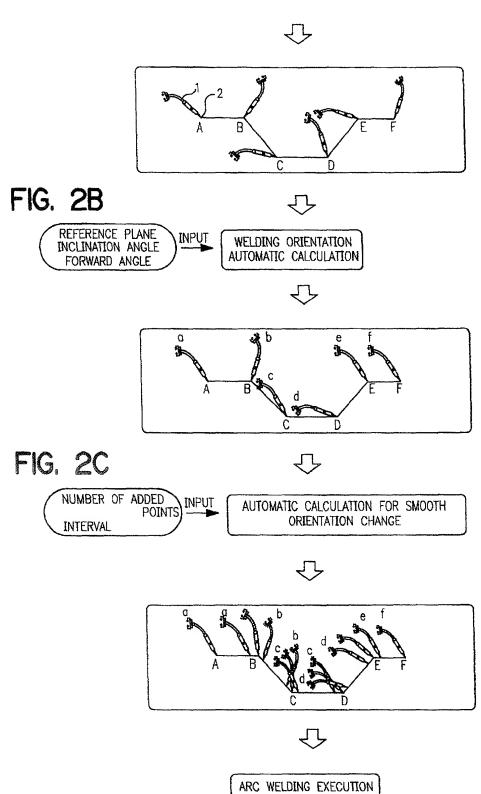


FIG. 3

FIG. 2A

TEACH ROUGHLY BY JOG FEED ONLY POSITIONS A.B...F WITHOUT PAYING ATTENTION TO THE ORIENTATION



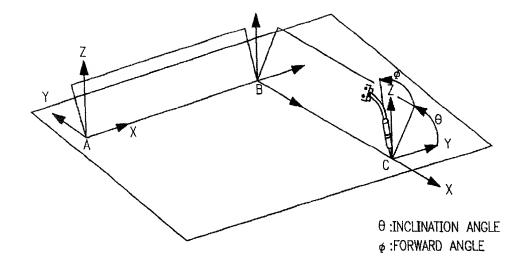


FIG. 4

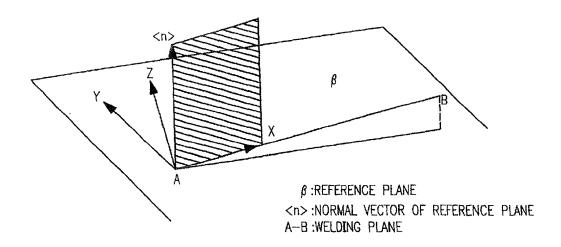


FIG. 5

UTILITY/TORCH ORIENTATION/TRANSFORMATION///////AXIS////50%/PROGRAM PAGE 1/4 5/7 1 TRANSFORMATION SOURCE PROGRAM: [TEST] 2 SCOPE: **PART** 3 START ROW: 34 4 END ROW: 38 5 PRODUCED/REPLACED: /REPLACED/ 6 PROGRAM DESTINED TO BE TRANSFORMED: (UNUSED) [\* \* \* \* \* \* \*] 7 INSERTION ROW: (UNUSED) PAGE IS CHANGED BY SHIFT + DOWN, SHIFT + UP [SCREEN] >

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## FIG. 6

UTILITY/TORCH ORIENTATION/TRANSFORMATION//////AXIS///50%/DIRECT INPUTTING TORCH ORIENTATION PAGE 3/4 2/6 1 REFERENCE PLANE TEACHING: YES 2 P1: /TEACHING EXECUTED / 3 P2: TEACHING EXECUTED TEACHING EXECUTED 5 INCLINATED ANGLE: . 00 deg 6 FORWARD ANGLE: . 00 deg PAGE IS CHANGED BY SHIFT + DOWN, SHIFT + UP [SCREEN] TRANSFORMATION REFER TO POSITION STORE POSITION>

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UTILITY/TORCH ORIENTATION/TRANSFORMATION//////AXIS///50%/POSITION INSERTION PAGE 4/4 2/6

1 NO. OF POSITIONS: /2/
2 PITCH LENGTH: 3.00mm

PAGE IS CHANGED BY SHIFT + DOWN,SHIFT + UP
[SCREEN] EXECUTION >
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FIG. 8

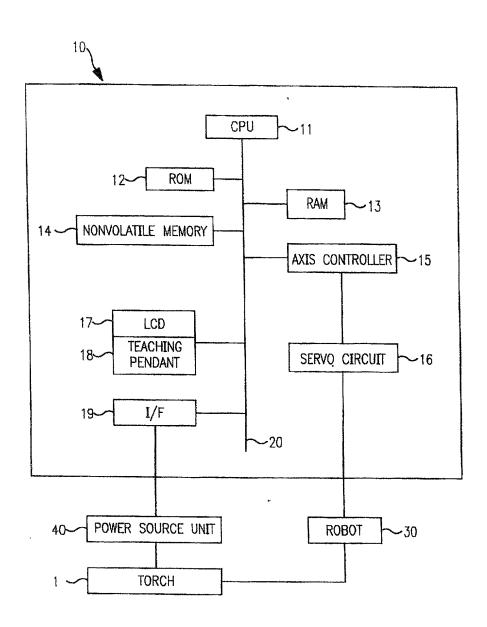
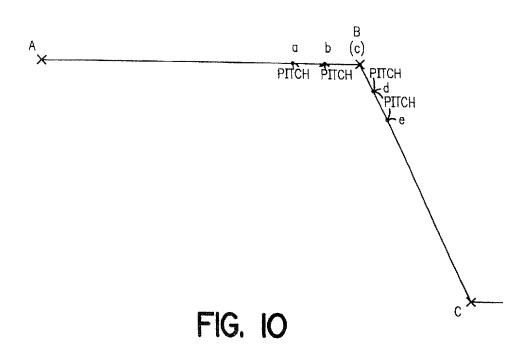


FIG. 9



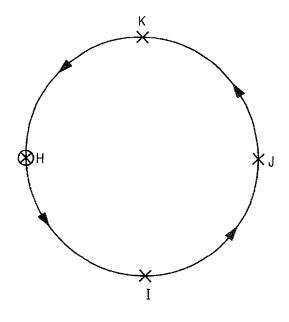


FIG. I I

